

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G1054A-18-12DC(10-OL-18WN-AA, P1)

报告编号:

电压(V): 220.6000

测试编号: 20210318007

电流(A): 0.0990

光源规格型号: OL

功率(W): 20.5000

每个光源光通量(lm)

功率因数: 0.9380

光源数量: 18

镇流器型号:

发光面长度(mm): 160

发光面宽度(mm): 160

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 1901.01

灯具效能(lm/w): 92.73

中心光强(cd): 19767.610

最大光强(cd): 19767.610

最大光强角度:  $C=0.0 \gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.6

[C90/270]Total=10.6

光束扩散角(10%Imax): [C0/180]Total=27.1

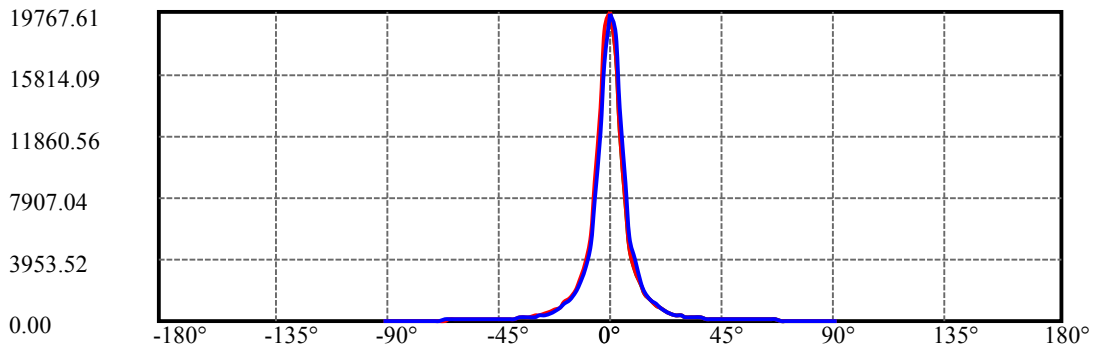
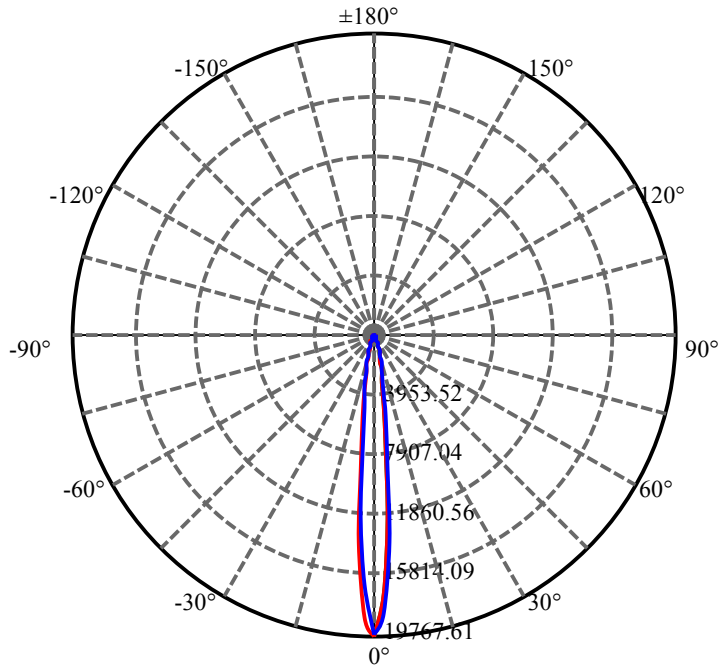
[C90/270]Total=27.1

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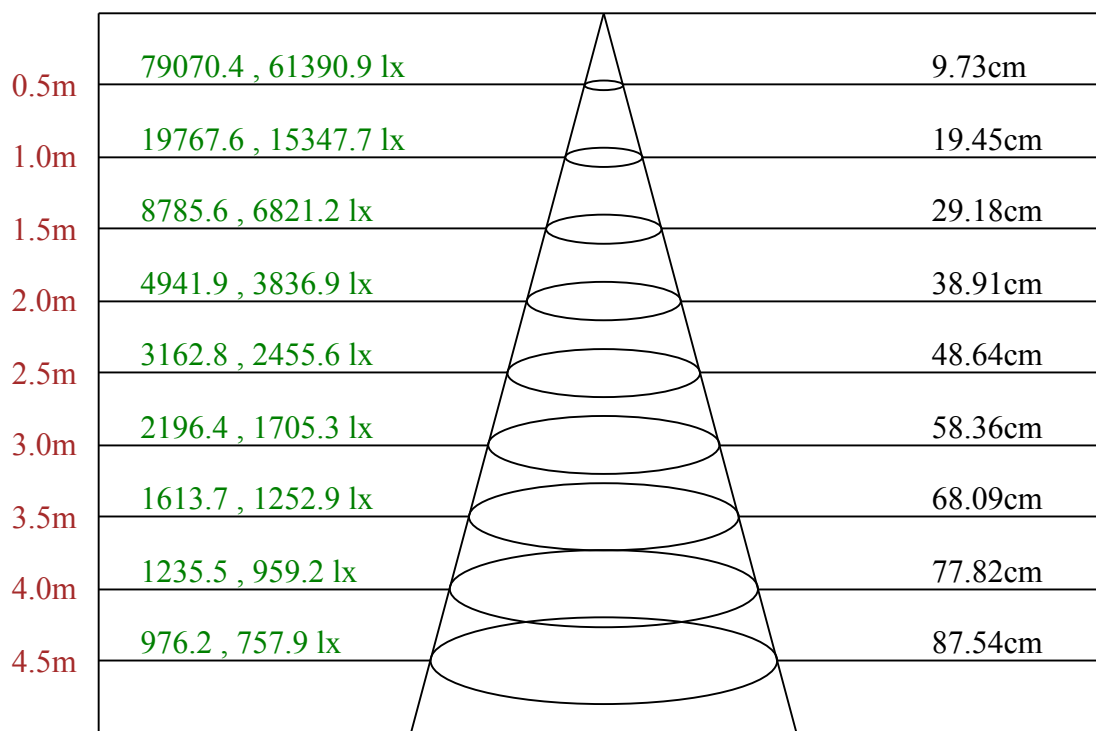
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/18  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

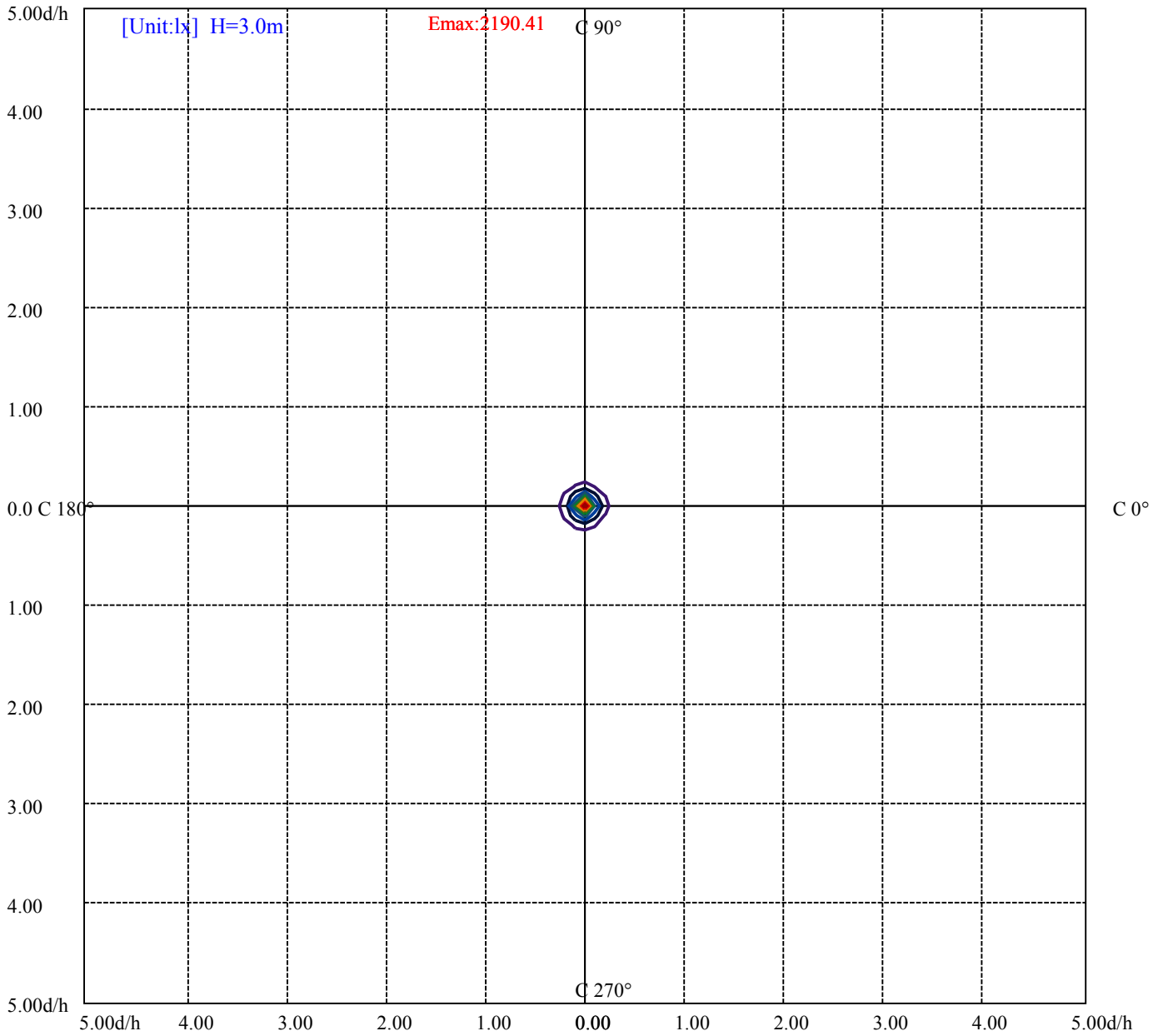


C0(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave C0面光束角11.11

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 219.0411
- (20%Emax) 438.0811
- (30%Emax) 657.1223
- (40%Emax) 876.1622
- (50%Emax) 1095.203
- (60%Emax) 1314.245
- (70%Emax) 1533.289
- (80%Emax) 1752.322
- (90%Emax) 1971.367

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# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

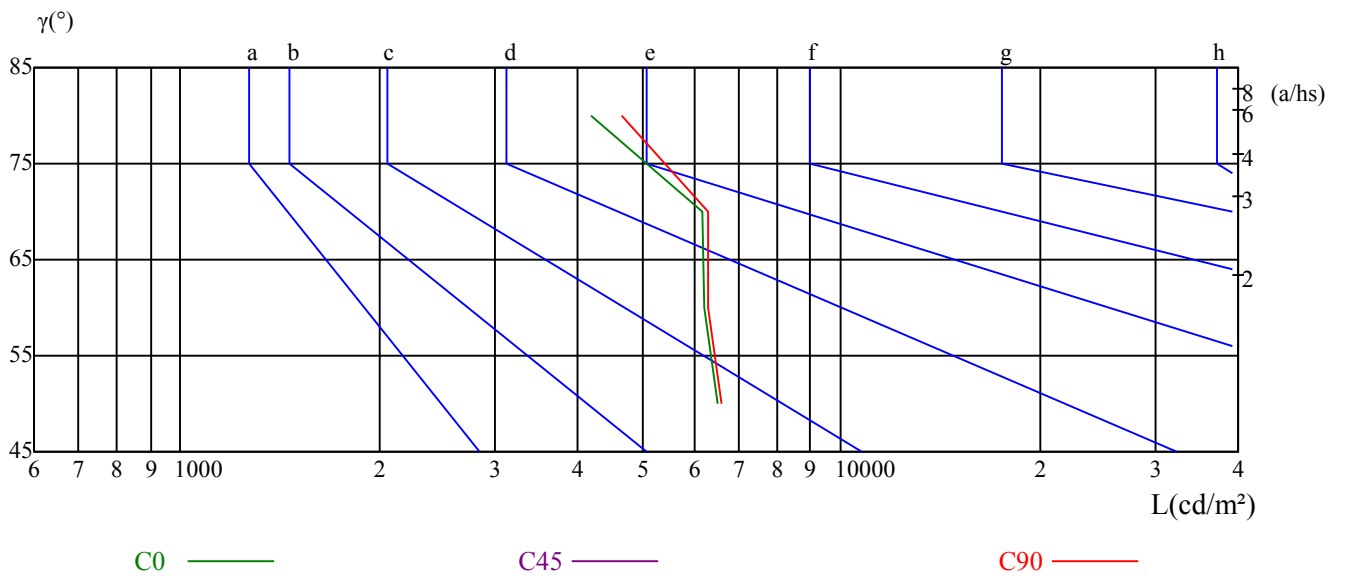
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6510	0	6217	0	6153	0	4195	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6580	0	6289	0	6310	0	4661	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

眩光等级表

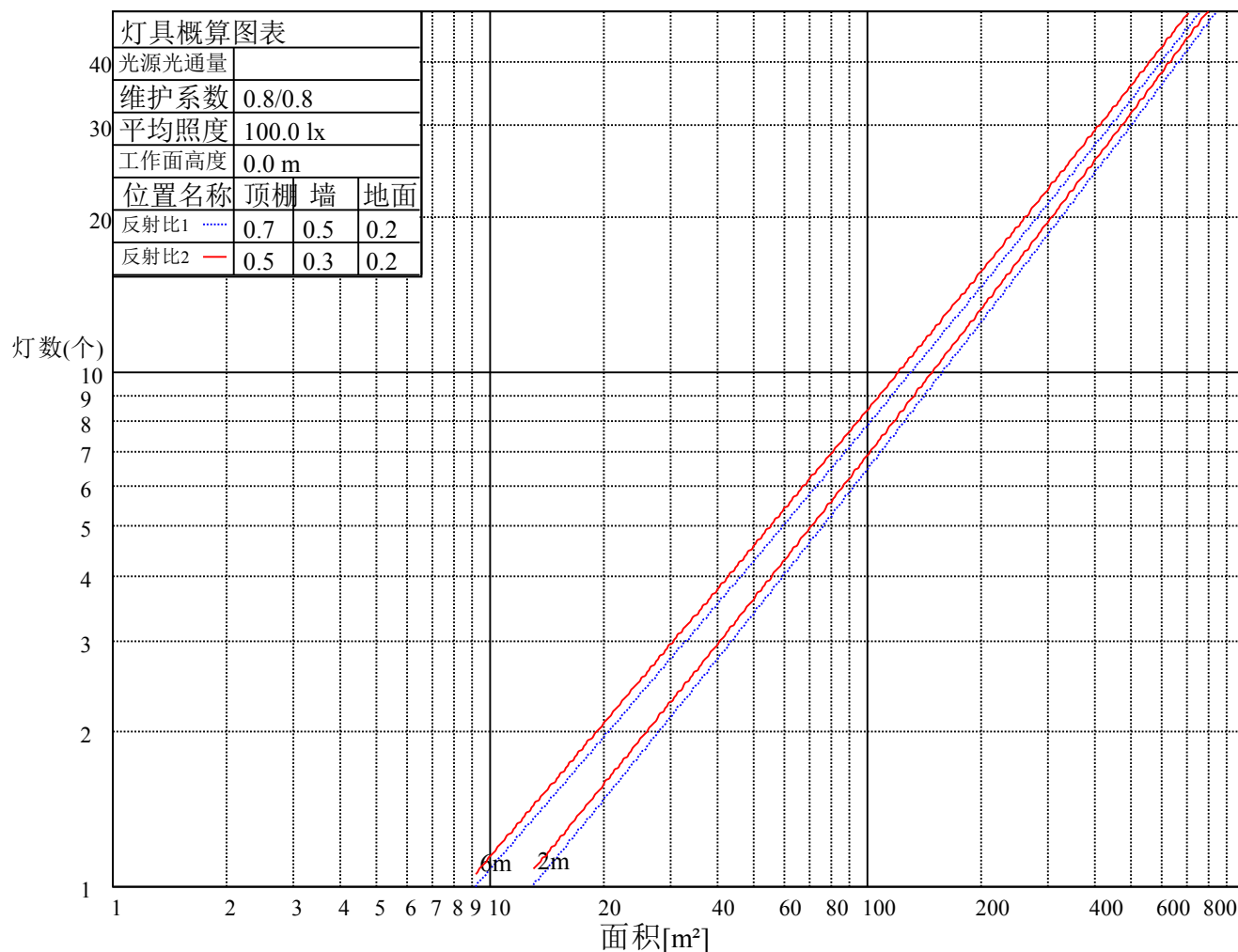
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

亮度限制曲线



参照UGR的照射评估											
天花板反射率	70	70	50	50	30	70	70	50	50	30	
墙壁反射率	50	30	50	30	30	50	30	50	30	30	
地板反射率	20	20	20	20	20	20	20	20	20	20	
空间尺寸	Viewed crosswise					Viewed endwise					
X	Y										
2H	2H	12.60	13.69	12.96	14.00	14.32	12.73	13.82	13.09	14.13	14.45
	3H	14.60	15.57	14.98	15.90	16.27	14.60	15.57	14.98	15.90	16.27
	4H	15.30	16.20	15.71	16.56	16.95	15.27	16.17	15.68	16.52	16.91
	6H	15.71	16.54	16.13	16.91	17.31	15.65	16.48	16.07	16.85	17.25
	8H	15.79	16.57	16.22	16.96	17.37	15.72	16.50	16.16	16.89	17.30
	12H	15.82	16.57	16.26	16.95	17.38	15.75	16.50	16.19	16.88	17.31
4H	2H	13.25	14.15	13.65	14.50	14.89	13.35	14.25	13.75	14.60	14.99
	3H	15.43	16.17	15.84	16.58	16.98	15.44	16.18	15.85	16.59	16.99
	4H	16.23	16.89	16.67	17.32	17.76	16.21	16.87	16.64	17.29	17.74
	6H	16.65	17.22	17.12	17.67	18.14	16.59	17.16	17.06	17.61	18.08
	8H	16.75	17.28	17.22	17.73	18.20	16.68	17.21	17.15	17.66	18.13
	12H	16.78	17.24	17.27	17.73	18.20	16.71	17.17	17.20	17.65	18.13
8H	4H	16.46	16.99	16.94	17.44	17.92	16.44	16.97	16.91	17.42	17.89
	6H	16.99	17.41	17.49	17.91	18.39	16.91	17.33	17.41	17.83	18.31
	8H	17.13	17.50	17.66	18.02	18.52	17.03	17.40	17.56	17.92	18.42
	12H	17.68	18.01	18.20	18.50	19.08	17.61	17.93	18.13	18.43	19.00
12H	4H	16.45	16.91	16.94	17.39	17.87	16.43	16.89	16.92	17.37	17.85
	6H	17.36	17.36	17.52	17.83	18.38	17.28	17.29	17.45	17.76	18.31
	8H	17.16	17.48	17.68	17.98	18.56	17.07	17.39	17.59	17.89	18.47
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.6					
S = 1.5H	0.7/-0.6					0.8/-0.6					
S = 2.0H	1.0/-0.7					1.0/-0.7					
标准表格	BK3					BK3					
更正系数	0.3					0.2					

# ROLED 地埋灯 灯具的概算曲线



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.92	0.90	0.88
3	0.98	0.94	0.90	0.97	0.93	0.89	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.84
4	0.93	0.88	0.85	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.80
5	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.77
6	0.85	0.80	0.77	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.74
7	0.82	0.77	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.71
8	0.79	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
9	0.77	0.72	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
10	0.75	0.70	0.67	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66



ROLED 地埋灯

光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	19767.61	16982.03	12132.21	7466.57	4680.99	3219.14	2316.71	1756.52	1342.14
30.0	19759.93	17204.57	12109.19	7735.15	4773.08	3238.33	2333.59	1748.08	1349.81
60.0	19667.85	16360.46	12202.05	7615.44	4632.65	3081.01	2251.48	1596.91	1299.78
90.0	19629.48	18255.88	13574.88	8840.17	5356.28	3905.94	2441.02	1835.56	1390.49
120.0	19713.89	18194.48	13449.80	8558.54	5283.38	3429.40	2440.26	1839.40	1405.68
150.0	19591.11	18846.75	14779.66	9454.07	5878.10	3890.60	2667.40	1969.85	1511.73
180.0	19767.61	18524.46	13656.99	8983.67	5472.93	3661.15	2621.36	1956.04	1523.78
210.0	19759.93	18079.38	13520.40	8654.47	5373.93	3603.60	2588.36	1950.67	1495.23
240.0	19667.85	18079.38	13705.34	8748.09	5471.39	3898.27	2597.57	1952.97	1506.36
270.0	19629.48	16398.83	12041.66	7765.85	4885.88	3276.70	2388.07	1829.42	1399.54
300.0	19713.89	17265.96	12278.02	7827.24	4911.21	3292.81	2371.96	1824.82	1395.86
330.0	19591.11	15144.17	11218.27	6934.01	4370.21	3022.69	2213.11	1523.47	1299.78
360.0	19767.61	16982.03	12132.21	7466.57	4680.99	3219.14	2316.71	1756.52	1342.14
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1042.10	813.42	645.36	511.07	415.15	342.71	288.46	246.33	213.48
30.0	1039.79	807.28	632.32	510.31	412.08	343.94	288.61	246.10	213.33
60.0	1005.03	781.11	615.44	498.10	404.87	335.11	285.23	243.41	210.95
90.0	1083.53	841.04	657.64	530.26	428.96	352.92	296.21	254.77	220.47
120.0	1099.27	850.56	667.85	533.02	435.49	358.29	300.58	257.99	223.31
150.0	1164.88	903.97	709.06	569.39	459.66	387.52	319.23	271.19	235.28
180.0	1177.31	910.03	710.82	567.93	454.67	374.71	310.56	262.21	226.15
210.0	1167.64	905.20	710.82	561.72	451.37	370.34	308.02	260.52	223.00
240.0	1151.06	894.76	697.54	556.35	448.91	389.06	308.18	261.21	225.84
270.0	1080.62	851.25	662.09	531.02	428.50	349.62	292.98	252.16	217.55
300.0	1068.19	842.58	661.48	523.35	425.89	353.61	295.13	254.77	220.62
330.0	1006.41	795.92	624.64	501.63	409.47	338.11	288.76	248.25	216.78
360.0	1042.10	813.42	645.36	511.07	415.15	342.71	288.46	246.33	213.48
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	189.47	170.36	154.32	141.04	130.53	121.17	113.80	107.13	100.99
30.0	189.00	169.21	153.32	141.20	129.92	120.71	113.19	106.59	100.68
60.0	185.78	166.21	150.33	137.97	126.69	117.33	109.96	103.75	98.30
90.0	194.30	173.50	157.62	144.04	133.06	123.09	114.95	108.28	101.98
120.0	196.29	175.04	159.15	145.26	133.52	124.16	116.18	109.27	103.14
150.0	206.42	184.40	166.98	152.86	141.58	130.68	122.55	115.41	109.12
180.0	198.67	176.80	159.54	146.57	134.44	124.08	115.95	108.89	102.83
210.0	196.76	175.42	158.85	144.88	133.06	122.86	114.95	108.51	102.29
240.0	195.22	174.27	156.39	142.73	130.91	120.55	112.73	106.36	100.60
270.0	191.69	172.05	155.55	143.19	130.91	121.86	114.19	107.59	101.37
300.0	193.69	173.66	157.24	143.42	131.99	123.09	115.18	108.51	102.29
330.0	192.46	174.58	157.70	145.88	134.67	125.24	117.95	111.73	106.28
360.0	189.47	170.36	154.32	141.04	130.53	121.17	113.80	107.13	100.99
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	95.85	90.55	84.95	79.58	74.90	69.75	64.69	59.86	53.87
30.0	95.23	90.40	84.95	79.42	74.36	69.06	63.85	58.86	53.03
60.0	93.31	89.02	84.26	79.58	74.90	69.98	64.77	59.16	53.56
90.0	96.31	91.01	85.64	80.50	75.43	70.68	65.61	60.55	55.25
120.0	97.69	92.32	87.10	81.50	76.43	71.37	66.38	61.08	55.40
150.0	103.29	98.61	93.77	88.56	83.72	78.43	73.05	65.92	59.55
180.0	97.23	92.16	86.33	79.19	72.75	66.30	60.62	56.33	50.42
210.0	97.23	91.85	86.41	81.03	75.89	70.68	65.53	60.62	54.87
240.0	95.69	91.24	86.48	81.96	77.27	72.13	66.92	61.77	55.63
270.0	96.00	91.16	85.79	80.42	75.59	70.52	65.69	60.32	54.79
300.0	96.84	91.55	85.87	81.03	76.05	70.83	65.53	60.32	54.18
330.0	100.60	96.23	91.01	86.18	81.19	75.28	69.22	62.16	54.79
360.0	95.85	90.55	84.95	79.58	74.90	69.75	64.69	59.86	53.87

# ROLED 地埋灯

## 光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	47.04	40.13	32.61	25.48	18.65	10.82	4.53	0.61	0.38
30.0	46.43	39.60	32.08	25.40	17.80	11.28	5.06	0.77	0.38
60.0	46.89	39.75	32.31	25.40	18.19	11.13	4.99	0.69	0.46
90.0	48.96	41.98	34.53	27.63	20.72	13.51	6.60	1.38	0.54
120.0	49.34	42.44	34.76	27.55	20.72	13.20	7.37	1.46	0.54
150.0	52.41	44.66	32.84	23.33	13.58	13.97	7.83	2.23	0.61
180.0	45.51	39.90	33.76	26.24	19.72	13.28	7.06	1.69	0.54
210.0	48.81	41.82	34.15	27.40	20.72	13.43	6.98	1.53	0.54
240.0	49.11	42.44	34.92	27.78	20.57	13.20	6.75	1.46	0.54
270.0	48.04	40.75	33.07	26.17	18.72	11.74	5.45	0.77	0.38
300.0	47.88	40.82	32.92	26.09	18.65	11.36	4.76	0.61	0.31
330.0	47.12	39.60	31.85	24.33	17.04	9.90	3.38	0.61	0.38
360.0	47.04	40.13	32.61	25.48	18.65	10.82	4.53	0.61	0.38

C/γ(°)	90.0
0.0	0.08
30.0	0.08
60.0	0.15
90.0	0.23
120.0	0.23
150.0	0.38
180.0	0.31
210.0	0.31
240.0	0.15
270.0	0.15
300.0	0.15
330.0	0.08
360.0	0.08